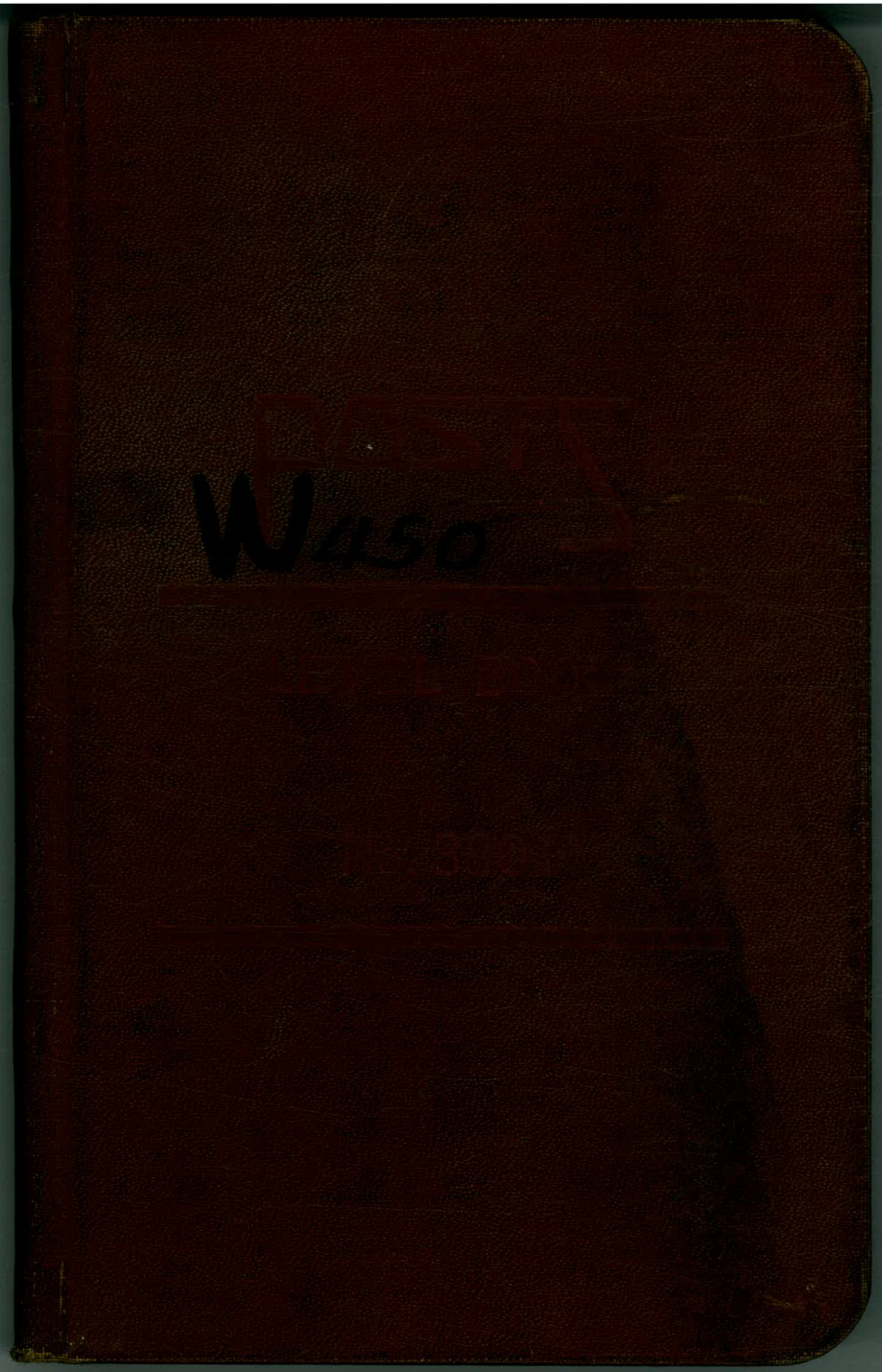
Waso

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THE FREDERICK POST CO.

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IRVING PARK STATION

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Pages

Original Xsections above spillway

Extended E5000 +5150 1-6

Original Xsections for downstr.

Spoil West from E4140 8-39

N 4940 / 4310 } Pages 8-16 N 4840 / 4410 } Pages 8-27 N 5070 / 4850 } Pages 27-34 N 4850 / 5050 } Pages 34-39

X Cross-Sections west of west Tunnel

Portal, for Pipe Line Location . 40-53

-- Survey 53+54

Original Xsections for downstr. 55-63

Spoil (Extended So. from toe of dump)

E 4310 / 4090 } Pages 55-60

N 4280 / 4380 } Pages 61-63 Extended X Sec. Spoil

Original X sections Extended
Sept 7 - 1933

E 5150

B.M.	2.35	986.75		984.40
N 4710		86.8	10.4	76.4
4700			12.1	74.7
4690			15.9	70.9
80			17.8	69.0
70			19.7	67.1
60			21.6	65.2
50			21.0	65.8

E 5160

4650	17.5	69.3
60	16.5	70.3
70	15.8	71.0
80	14.7	72.1
90	12.5	74.3
4700	9.5	77.3
10	6.6	80.2

E 5170

4710	4.2	82.6
4700	7.5	79.3
4690	10.2	76.6
80	11.9	74.9
70	13.6	73.2
60	14.7	72.1
50	15.2	71.6

Elliott
Simpson
Soper
Salgado

Notes
T
Hd. Ch.
R. Ch.

1

986.75

E 5180

4650	12.8	74.0
60	12.5	74.3
70	11.9	74.9
80	10.6	76.2
90	8.9	77.9
4700	6.4	80.4
10	3.3	83.5

E 5190

4710	2.2	84.6
4700	5.0	81.8
4690	6.1	80.7
80	8.8	78.0
70	10.2	76.6
60	11.1	75.7
50	12.2	74.6

E 5200

50	11.1	75.7
60	8.3	78.5
70	8.1	78.7
80	6.6	80.2
90	5.1	81.7
4700	4.8	82.0
10	1.1	85.7

	986.75	E5210	
4710		1.2	85.6
4700		2.6	84.2
4690		4.1	82.7
80		5.6	81.2
70		7.0	79.8
60		7.9	78.9
50		9.6	77.2
		E5220	
50		10.8	76.0
60		8.5	78.3
70		6.8	80.0
80		5.1	81.7
90		3.9	82.9
4700		2.5	84.3
10		0.8	86.0
		E5230	
4710		1.8	85.0
4700		2.9	83.9
4690		4.2	82.6
80		5.7	81.1
70		7.6	79.2
60		10.1	76.7
50		12.1	74.7

	986.75	E5240	
4650		13.6	73.2
60		12.9	73.9
70		8.8	78.0
80		6.8	80.0
90		5.5	81.3
4700		3.9	82.9
10		3.0	83.8
		E5250	
10		4.9	81.9
4700		6.0	80.8
4690		7.3	79.5
80		8.9	77.9
70		10.5	76.3
60		12.0	74.8
50		16.2	70.6
		E5260	
50		21.4	65.4
60		15.8	71.0
70		13.7	73.1
80		12.0	74.8
90		9.7	77.1
4700		9.3	77.5
10		8.1	78.7
T.P.	0.01	974.54	12.22	974.53

		974.54	E 5270	
4650			11.7	62.8
60			8.7	65.8
70			6.9	67.6
80			4.3	70.2
90			1.1	73.4
4700			+0.1	74.6
10			+0.8	75.3
			E 5280	
4710			3.6	70.9
4700			5.1	69.4
4690			6.2	68.3
80			7.7	66.8
70			10.1	64.4
60			12.3	62.2
50			16.4	58.1
			E 5290	
50			20.3	54.2
60			17.0	57.5
70			11.8	62.7
80			10.8	63.7
90			7.7	66.8
4700			7.5	67.0
10			6.3	68.2

		974.54	E 5300	
4710			7.7	66.8
4700			9.7	64.8
4690			13.5	61.0
T.P.	0.30	961.95	12.89	961.65
80			4.3	57.6
70			6.5	55.4
60			9.2	52.7
50			12.9	49.0
			E 5310	
T.P.	0.39	949.44	12.90	949.05
4630			13.3	36.1
40			9.1	40.3
50			5.7	43.7
60			2.4	47.0
			E 5320	
4660			9.6	39.8
50			10.8	38.6
40			14.1	35.3
30			17.2	32.2
T.P.	0.0	936.29	13.15	936.29
			E 5330	
4660			0.0	36.3
50			4.0	32.3
40			5.0	31.3
30			8.8	27.5

Mkd. 1x2" on Rock

E5140

B.M.	0.27	984.67		984.40
T.P.	0.25	972.08	12.84	971.83
4710			0.0	72.1
4700			1.5	70.6
4690			4.6	67.5
80			6.8	65.3
70			9.1	63.0
60			10.7	61.4
50			10.4	61.7

E5130

4710			4.6	67.5
4700			6.8	65.3
4690			9.0	63.1
80			11.7	60.4
70			14.0	58.1
60			15.8	56.3
50			15.8	56.3

		972.08		
4650			20.1	52.0
60			19.4	52.7
70			17.5	54.6
80			16.1	56.0
90			13.8	58.3
4700			11.8	60.3
10			9.7	62.4
4710			12.1	60.0
4700			14.8	57.3
T.P.	0.10	959.51	12.67	959.41
4690			4.7	54.8
80			8.2	51.3
70			9.6	49.9
60			11.2	48.3
50			12.5	47.0
4650			16.5	43.0
60			14.9	44.6
70			14.0	45.5
80			12.1	47.4
90			8.6	50.9
4700			5.4	54.1
10			2.5	57.0

E5120

E5110

E5100

959.51

			E5090		
4710			4.8	54.7	
4700			7.7	51.8	
4690			11.7	47.8	
80			14.0	45.5	
70			17.6	41.9	
60			19.9	39.6	
50			21.1	38.4	
			E5080		
50			30.5	29.0	
60			26.5	33.0	
70			19.9	39.6	
80			16.3	43.2	
90			14.0	45.5	
4700			11.3	48.2	
4710			7.8	51.7	
			E5070		
Check B.M.			6.76	952.75	952.74
T.P.	0.18	946.72	12.97	946.54	
4710			+0.3	47.0	
4700			1.2	45.5	
4690			3.3	43.4	
80			5.7	41.0	
70			9.4	37.3	
60			14.4	32.3	
50			22.1	24.6	

946.72

			E5060		
4710			3.1	43.6	
4700			4.9	41.8	
4690			7.0	39.7	
80			9.3	37.4	
70			12.1	34.6	
60			16.7	30.0	
50			21.6	25.1	
			E5050		
4650			23.1	23.6	
60			19.6	27.1	
70			14.8	31.9	
80			12.1	34.6	
90			10.2	36.5	
4700			7.4	39.3	
10			5.7	41.0	
			E5040		
4710			7.8	38.9	
4700			11.1	35.6	
4690			13.2	33.5	
T.P.	0.96	935.06	12.62	934.10	
80			4.5	30.6	
70			8.0	27.1	
60			10.2	24.9	
50			14.9	20.2	

935.06

E5030

4650	19.5	15.6
60	16.1	19.0
70	12.0	23.1
80	7.5	27.6
90	5.4	29.7
4700	2.3	32.8
10	40.9	36.0

E5020

10	1.7	33.4
4700	5.2	29.9
4690	7.5	27.6
80	10.4	24.7
70	13.6	21.5
60	19.3	16.8
50	22.7	12.4

E5010

50	23.6	11.5
60	21.0	14.1
70	17.8	17.3
80	15.9	19.2
4690	11.6	23.5
4700	9.3	25.8
10	6.2	28.9

935.06

E5000 00

4710	11.1	24.0
4700	13.3	21.8
4690	16.4	18.7
80	19.7	15.4
70	21.6	13.5
60	24.1	11.0
50	25.9	09.2

End Sept 7-1933

Reserved

Reserved

Reserved

Reserved

Original Xsections for Downstr. Spoil,

Sept 15-1933

Elliott-Simpson-Salgado

B.M.	0.97	655.18		654.21
			12.72	642.46
	0.91	643.37		
			12.37	631.00
	0.07	631.07		
Set B.M.			13.13	617.94
	3.44	621.38		

N4840

3975	6.3	15.1	Top
80	5.7	15.7	
90	5.1	16.3	
4000	5.2	16.2	
10	5.5	15.9	
20	5.3	16.1	
30	5.2	16.2	
40	5.2	16.2	
50	5.8	15.6	
60	4.3	17.1	
70	3.3	18.1	
77	2.0	19.4	

Solo Hand 11-17-

Plotting checked as shown by GBH

Straight to 4090

621.38 ✓

N4830

Straight to E 4108 ↑

4090	+1.8	23.2
80	5.2	16.2
70	5.9	15.6
60	5.8	15.4
50	5.8	15.4
40	5.6	15.8
30	5.7	15.7
20	5.8	15.4
10	5.6	15.8
4000	5.8	15.4
3990	5.0	16.4
3980 Top	5.9	15.5

Plotted 11-17 ↓

N4820

3983 Top	5.8	15.4
4000	5.3	16.1
10	5.6	15.8
20	5.9	15.5
30	6.0	15.4
40	5.9	15.5
50	5.9	15.5
60	5.7	15.7
70	6.0	15.4
80	5.9	15.5

✓

621.38 ✓

N4820

4073	1.0	20.4

Straight to E 4122 ↓

N4810

Straight to E 4127 ↑

4100	+1.0	22.4
90	5.7	15.7
80	5.8	15.4
70	5.8	15.4
60	6.0	15.4
50	6.0	15.4
40	6.2	15.2
30	6.2	15.2
20	6.5	14.9
10	6.5	14.9
3900	6.4	15.0
3990 Top	6.0	15.4

Plotted 11-17 ↓

N4800

4000 Top	7.4	14.0
10	6.5	14.9
20	6.8	14.6
30	6.7	64.7
40	6.3	15.1
50	6.2	15.2
60	5.9	15.5
70	5.8	15.4 ✓

Spot Plotting ok. as shown BY

621.38

4080		
90		
95		
Straight to E 4127		
" " E 4133		
4100		
4090		
80		
70		
60		
50		
40		
30		
20		
40 13 Top		
4025 Top		
30		
40		
50		
60		
70		
80		
90		

Plotted 11-7

N4800

5.6	15.8
5.5	15.9
5.4	14.0

N4790

5.2	14.2
5.5	15.9
5.6	15.8
5.8	15.4
6.1	15.3
6.4	15.0
7.0	14.4
7.0	14.4
6.5	14.9
8.3	13.1

N4780

14.0	07.4
8.0	13.4
7.6	13.8
7.1	14.3
6.2	15.2
5.9	15.5
5.5	15.9
5.2	14.2

621.38

4100	
4105	
Straight to E 4133	
" to E 4127	
4105	
4100	
4090	
80	
70	
60	
50	
40	
4030 Top	
4035 Top	
40	
50	
60	
70	
80	
90	
4100	
4110	
Straight to E 4121	

Plotted 11-17

N4780

4.9	14.5
3.2	18.2

N4770

2.2	19.2
4.8	16.4
5.0	16.4
5.4	14.0
5.9	15.6
7.1	14.3
7.8	13.4
7.9	13.5
7.7	13.7

N4760

8.3	13.1
8.3	13.1
8.2	13.2
8.3	13.1
6.2	15.2
5.4	14.0
4.9	16.5
4.7	14.7
4.3	17.1

Plotting ok as shown by - C.B.H.

621.38

Straight to E 4117

4110
4100
4090
80
70
60
50
4040 Top
4042 Top
50
60
70
80
90
4100
13 Toe

4117 Toe
10
4100
4090
80

Plotted 11-18

N4750

4.0	17.4	✓
4.5	16.9	✓
5.0	16.4	✓
5.6	15.8	✓
7.9	13.5	✓
8.6	12.8	✓
8.8	12.6	✓
9.1	12.3	✓

N4740

9.1	12.3	✓ from Page 13
9.0	12.4	✓
8.9	12.5	✓
8.8	12.6	✓
5.5	15.9	✓
5.0	16.4	✓
4.5	16.9	✓
4.3	17.1	✓ Cont in Book 448-32

N4730

Cont in Book 448-33

4.1	17.1	✓
4.2	17.2	✓
4.5	16.9	✓
5.1	16.3	✓
9.2	12.2	✓

621.38

Plotted 11-18

N4730

4070	9.3	12.1 ✓
60	9.3	12.1 ✓
46 Top	9.1	12.3 ✓ from Page 19

N4720 ✓

Cont from Page 19

4050 Top	9.1	12.3 ✓
60	9.6	11.8 ✓
70	9.6	11.8 ✓
80	9.9	11.5 ✓
90	4.5	16.9 ✓
4100	4.4	17.0 ✓
10	4.2	17.2 ✓
20	3.6	17.8 ✓ Cont in Book 448-33

N4710

Plotting checked 9-12-34 EBK

25	3.3	18.1 ✓
20	3.6	17.8 ✓
10	4.1	17.3 ✓
4100	4.3	17.1 ✓
4095	3.9	17.5 ✓
85	10.0	11.4 ✓
80	10.2	11.2 ✓
70	10.0	11.4 ✓
60	10.5	9.9 ✓
55 Top	9.7	11.7 ✓ from P-19

621.38

4059	Top	10.6	10.8
70		10.5	10.9
80		10.4	11.0
90		9.9	11.5
4100		3.5	17.9
10		3.8	17.6
20		3.6	17.8
4129	Toc	3.0	18.4

Book 448-33

N4690

4134	Toc	2.8	18.4
30		3.2	18.2
20		3.4	18.0
10		3.5	17.9
4103		3.1	18.3
4094		10.5	10.9
90		11.0	10.4
80		10.8	10.6
65	Top	10.8	10.4

448-34 Page 20 Page 20

Plotted

N4680

4068	Top	11.5	09.9
80		11.3	10.1
90		11.4	10.0
4100		8.9	12.5
10		2.8	18.6

Page 20

621.38

N4680

4120		3.0	18.4
30		3.0	18.4
38		2.5	18.9

448

N4670

4130		2.4	19.0
20		2.6	18.8
10		2.4	19.0
4100		11.6	09.8
4090		11.6	09.8
72	Top	11.7	09.7

448/34 Page 21

Plotted

N4660

4073	Top	11.8	609.6
80		12.0	09.4
4090		12.0	09.4
4103		12.0	09.4
17		1.9	19.5
30		2.3	19.1

from 21 448/34

N4650

30		2.0	19.4
18		2.4	19.0
4109		12.3	09.1
4100		12.3	09.1
4090		12.3	09.1
75	Top	12.2	09.2

448-35 Page 21

Plotting ok - 9-12-34 - EGH

621.38

4075	Top		
80			
90			
4100			
10			
20			
30			
4130			
20			
12			
4100			
4090			
75	Top		
75	Top		
80			
90			
4100			
14			
18			
30			

N4640

12.9	08.5 Page 21
12.3	09.1
12.6	608.8
12.6	608.8
12.6	08.8
0.2	21.2
1.7	19.7

N4630

0.9	20.5 448-35
1.3	20.1
12.9	08 5
13.0	08. 4
12.8	08.6
12.4	09.0 Page 22

N4620

12.8	08.6 Page 22
12.5	08.9
13.2	608.2
13.2	08.2
13.2	08.2
3.6	17.8
1.0	20.4 448-35

621.38

4130			
20			
15			
4100			
4090			
75	Top		
73	Top		
80			
90			
4100			
18			
22			
30			
30			
20			
T. P.		0.25	610.52
10			
4100			
4090			
79	Top		

N4610

1.8	19.4 448-35
5.5	15.9
13.3	08.1
13.4	08.0
13.4	08.0
12.0	09.4 Page 22

N4600

13.5	607.9 from P 22
13.2	08.2
13.7	07.7
13.7	07.7
14.0	07.4
7.7	13.7
5.0	16.4 448-36

Plotting ok 9-12-34 GBH

N4590

8.2	13.2 Cont. in Book 448-36
13.5	07.9
11.11	610.27
3.2	07.3
3.0	07.5
3.1	07.4
3.3	07.2 Cont. from P 23

610.52

N4580

4080	Top	3.5	607.0	Cont. in Book 448/36
90		3.4	7.1	
4100		3.4	7.1	
10		3.5	7.0	
20		3.5	7.0	
30		2.7	7.8	Cont. from Page 23

N4570

4133		+2.3	12.8	Cont. in Book 448-36
25		4.1	06.4	
10		4.1	06.4	
4100		3.8	06.7	
4085	Top	3.6	06.9	from P.23

Plotted

N4560

4088	Top	3.8	606.7	Cont. from Book 448/36
4100		4.2	06.3	
10		4.4	06.1	
26		4.4	06.1	
35		+3.4	613.9	

Plotting ck 9-12-34 GSK

N4550

4135		+4.4	14.9	Cont. Book 448-36
28		4.6	05.9	
10		4.6	05.9	
4100		4.6	05.9	
4088	Top	4.3	06.2	Cont. from P-23

8.9
4.6
4.3
14

610.52

N4540

4087	Top	5.3	605.2	Cont. from Page 24
4100		4.9	05.6	
10		5.0	5.5	
20		5.1	05.4	
29		5.1	05.4	
36		+4.1	14.6	Cont. in 448/37

N4530

4138		+4.0	14.5	
32		5.0	05.5/4	
20		5.4	05.0/8	
10		5.4	05.0/8	
4100		5.0	05.5/4	
4091	Top	5.7	04.8	

Plotted

Plotting checked 9-12-34 GSK

N4520

4095	Top	5.0	605.5	
4100		4.9	05.6	
10		5.7	04.8	
20		5.3	05.2	
34		5.7	04.8	
39		+3.3	13.8	Cont. in Book 448-37

610.52

4136			
20			
10			
4100			
4093	Top		
4090	Top		
4100			
10			
20			
38			
4130			
20			
10			
4100			
4086	Top		
4089	Top		
4100			
10			
20			
30			

Plotted

Plotting ok. 9-12-34 GBH

N4510

5.7	04.8	Cont in Book 448-37
5.7	04.8	
6.0	04.5	
6.0	04.5	
6.8	03.7	

N4500

6.7	603.8	
5.7	4.8	
6.4	04.1	
6.7	03.8	cont in Book 448-37
4.3	06.2	

N4490

7.1	3.4	
6.9	3.6	
6.7	3.8	
6.3	4.2	
7.8	2.7	

N4480

7.1	03.4	
6.4	04.1 ~~04.0~~	
7.1	03.4	
7.3	603.2	
7.3	03.2	cont in Book 448/38

610.52

4130			
20			
10			
4100			
4092	Top		
4093	Top		
4100			
10			
20			
30			
4130			
20			
10			
4100	Top		
4110	Top		
20			
30			
10	Top		
13			
20			
41 30			

Plotted

N4470

7.8	2.7	Cont in Book 448-38
7.6	2.9	
7.1	3.4	
6.3	4.2	
6.9	3.6	

N4460

8.1	02.4	
7.3	03.2	
	03.0	
7.5	~~03.5~~	
7.9	02.6	
8.0	602.5	Cont in Book 448/38

9-12-34 GBH

N4450

8.3	2.2
8.2	2.3
7.0	3.5
8.5	2.0

Plotting ok

N4440

7.2	03.3	from page 15
8.5	02.0	
8.6	01.9	cont in Book 448-39

N4430

7.2	1.3	
7.4	3.1	
7.0	1.5	
8.9	1.6	Cont in Book 448/39

610.52

4130				
19	Top			

N4420

9.3	01.2	✓
9.3	01.2	✓

N4410

cont. in Book 448-450

9.6	00.9	✓
9.6	00.9	✓
9.1	01.4	✓

Page 27

N4400

4130		
18	10.0	00.5
	9.6	00.9

4110 and on west is as originally X sectioned

N4390

4117	" "	" "
20	10.0	00.5
30	10.2	00.3

N4380

4130	10.6	599.9 ✓
23	10.6	599.9 ✓

17 and on W. is O.G.

N4370

13	" "	"
20	10.4	00.1 ✓
4130	10.9	599.6 ✓

610.52

N4360

4130		
21	11.1	99.4 ✓
12	11.2	99.3 ✓

and on W. is O.G. as originally X sectioned

Set B.M.	9.28	601.24

B.M.	0.65	618.59	617.94
		12.84	605.75
	0.15	605.90	

N4840

3940 Bottom	8.2	597.7
30	11.2	94.7
20	13.1	92.8
10	14.9	91.0
3900	12.2	93.7
3890	10.6	95.3
80	7.1	98.8

N4830

3948 Bottom	7.9	598.0
40	9.8	96.1
30	12.7	93.2
20	13.6	92.3
10	15.2	90.7

		605.90	N4830
3900			10.6 595.3
3890			8.4 97.5
80			1.7 604.2
			N4820
3960	Bottom		6.8 599.1
50			10.0 95.9
40			11.7 94.2
30			13.9 92.0
20			14.7 91.2
15			17.0 88.9
10			15.4 90.6
3900			12.9 93.0
3890			8.0 97.9
80			0.1 605.8
T.P.			12.88 593.02
		End Sept 15 - 1933	
		Start Sept 16. - 1933	
B.M.	588	598.90	593.02
			N4810
3966	Bottom		+ 2.9 601.8
50			2.8 596.1
40			5.9 93.0
30			7.5 91.4

		598.90	N4810
3920			8.1 590.8
10			9.6 89.3
3900			7.3 91.4
3890			1.0 97.9
			N4800
3963	Bottom		1.0 97.9
50			3.8 95.1
40			7.1 91.8
30			8.8 90.1
20			12.0 86.9
10			9.8 89.1
3905			8.3 90.6
3900			4.1 94.8
			N4790
3971	Bottom		3.6 95.3
60			4.5 94.4
50			6.0 92.9
40			8.8 90.1
30			12.0 86.9
20			9.1 89.8
10			10.3 88.6
3900			4.4 94.5

598.90

N4780

3977	Bottom	7.8	591.1
70		9.3	89.6
60		9.5	89.4
50		9.4	89.5
40		12.1	86.8
30		13.7	85.2
20		11.0	87.9
15		9.6	89.3
10		7.3	91.6
3900		1.8	97.1

N4770

4000	Bottom	9.5	89.4
3995		9.1	89.8
80		9.7	89.2
70		11.0	87.9
60		11.9	87.0
50		13.7	85.2
40		13.3	85.6
30		12.8	86.1
20		10.7	88.2
10		4.6	94.3

598.90

N4760

3996	Bottom	11.8	587.1 ✓
80		14.0	584.9 ✓
70		14.2	84.7 ✓
60		15.0	83.9 ✓
50		15.4	83.5 ✓
40		12.3	86.4 ✓
30		7.0	91.9 ✓ Dornick
20		7.6	91.3 ✓
10		3.5	95.4 ✓

N4750

3999	Bottom	13.3	85.6 ✓
90		12.8	86.1 ✓
80		14.4	84.5 ✓
70		14.4	84.5 ✓
60		13.3	85.6 ✓
50		10.4	88.5 ✓
40		10.1	88.8 ✓
30		9.2	89.7 ✓
20		5.7	93.2 ✓
10		2.2	96.7 ✓

598.90

N4740

Set B.M.			9.02	589.88
4002	Bottom		13.7	85.0 ✓ from Page 11
90			14.9	84.0 ✓
80			15.2	83.7 ✓
70			13.5	85.4 ✓
60			11.8	87.1 ✓
50			10.5	88.4
40			9.5	89.4
30			8.5	90.4
20			3.5	95.4

Plotting checked 9-12-34 as shown by ~ C.S.M.

End Sept 16 at Noon.

Start Sept 21 at 3:30 P.M.

B.M.	8.14	598.02		589.88

N4730

4005	Bottom		14.5	583.5 ✓ Page 11
4000			14.4	83.6 ✓
3990			15.0	83.0 ✓
80			12.3	85.7 ✓
70			11.3	86.7 ✓
60			10.7	87.3 ✓
50			9.2	88.8 ✓
40			8.0	90.0 ✓
30			6.0	92.0 ✓
3920			2.3	95.7 ✓

598.02

N4720

4010	Bottom		14.5	583.5 ✓
4000			15.0	83.0 ✓
3990			15.7	82.3 ✓
85			15.8	82.2 ✓
80			11.6	86.4 ✓
70			11.5	86.5 ✓
60			10.9	87.1 ✓
50			9.6	88.4 ✓
40			7.8	90.2 ✓
30			4.4	93.6 ✓
20			1.1	96.9 ✓

N4710

4015	Bottom		15.3	82.7 ✓
4000			15.3	82.7 ✓
4000	also, or too		16.9	81.1 ✓
90			16.6	81.4 ✓
80			11.9	84.1 ✓
70			12.7	85.3 ✓
60			11.3	84.7 ✓
50			10.1	87.9 ✓
40			7.3	90.7 ✓
3930			1.5	96.5 ✓

Plotting ch. 9-12-34 C.S.M. as shown by ~ Page 12

598.02

N4700

4017	Bottom	15.9	582.1	Page 12
4004		17.0	810	
3995		17.2	80.8	
90		14.6	83.4	
85		11.4	86.6	Dermick
80		12.4	85.6	
70		12.8	85.2	
65		10.0	88.0	" Plotting ok - 9-12-33 EGS
55		8.5	89.5	
50		10.6	87.4	
40		6.0	92.0	
30		2.0	96.0	

plotted

End Sept 21 - 1933

Start Sept 22 - 1933
Elliott - Simpson
Salgado - Remmen

9.83

N4690

B.M.	3.76	593.64		589.88
4023	Bottom		12.0	581.6 Page 12
10			13.6	80.0
4000			12.9	80.7
3990			11.3	82.3
80			9.8	83.8
70			8.4	85.2
60			7.5	86.1
50			5.9	87.7
40			0.7	92.9

plotted

N4680

4033	Bottom	10.3	83.3 Page 12
4020		12.8	80.8
10		13.0	80.6
4000		12.9	80.7
3990		9.4	84.2 ~~83.2~~
80		8.9	84.7
70		8.4	85.2
60		7.1	86.5
50		4.9	88.7
40		+0.2	93.8

Simpson
Sdgado
Remmen

Sept. 23 - 1933

		593.64	N4670	
3940			0.0	593.6
50			4.5	89.1
60			7.1	86.5
70			8.6	85.0
80			10.0	83.6
90			11.4	82.2
4000			12.5	81.1
4010			14.3	79.3
20			13.1	80.5
30			11.9	81.7
34	Bottom		11.3	82.3 Page 12
			N4660	
4040	Bottom		9.8	83.8 Page 12
30			11.5	82.1
20			12.9	80.7
10			14.3	79.3
4000			13.1	80.5
3990			10.2	83.4
80			10.2	83.4
70			9.0	84.6
60			7.4	86.2
50			3.9	89.7
40			+1.1	94.7
T.P.			9.83	583.81

Plotted

T.P.		3.33	587.14	583.81
			N4650	
4048	Bottom		1.6	585.5 Page 13
40			3.3	~~84.8~~ 83.8
30			5.1	82.0
20			6.7	~~81.4~~ 80.4
10			7.1	80.0
4000			7.0	80.1
3990			5.5	81.6
80			4.2	82.9
70			3.0	84.1
60			0.0	87.1
50			+5.2	92.3
3940			+10.2	~~90.73~~ 97.3
			N4640	
3950			+5.9	93.0
60			+0.8	87.9
70			3.2	83.9
80			4.5	82.6
90			6.0	81.1
4000			6.8	80.3
05			4.8	82.3
10			7.4	79.7
20			7.4	79.7
30			6.5	80.6
42	Bottom		4.9	82.2 Page 13

Plotted

Plotting ck 9-12-34
C.P.H.

		587.14	N4630	
				Page 13
4039	Bottom	7.1	580.0	
30		7.8	79.3	
20		8.4	78.7	
10		8.1	79.0	
05		5.9	81.2	
4000		7.4	79.7	
3990		6.5	80.6	
80		4.9	82.2	
70		2.9	84.2	
60		+4.4	91.5	
50		+8.1	95.2	
			N4620	
3950		+6.6	93.7	
60		+3.4	90.5	
70		2.5	84.6	
80		5.1	82.0	
90		7.0	80.1	
4000		8.2	78.9	
10		8.7	78.4	
20		8.4	78.7	
30		9.1	78.0	
38	Bottom	8.3	78.8	Page 13

Plotted

		587.14	N4610	
				Page 13
4039		8.7	578.4	
30		9.6	77.5	
20		8.8	78.3	
10		5.0	82.1	
4000		8.9	78.2	
3990		7.6	79.5	
80		5.3	81.8	
70		2.5	84.6	
60		+4.2	91.3	
50		+7.0	94.1	
			N4600	
3960		+4.4	91.5	
70		1.5	85.4	
80		4.6	82.5	
90		7.7	79.4	
4000		9.6	77.5	
10		9.3	77.8	
20		9.1	78.0	
30		10.1	77.0	
40 40	Bottom	9.0	78.1	Page 13
			End Sept. 23, 1933	

Plotted

T.P.	2.78	586.59	583.81	
B.M.		1.62	584.97	Record 584.99

Oct. 3, 1933
Simpson
Salgado
McHugh

B.M.	1.39	586.38	584.99

N4590

4035	Bottom	8.7	577.7
20		9.3	77.1
10		8.8	77.6
4000		8.9	77.5
3990		6.5	79.9
80		4.0	82.4
70		0.3	86.1
60		+3.1	89.5

Plotted

N4580

3960		+3.0	89.4
70		+0.1	86.5
80		4.7	81.7
90		6.5	579.9
4000		8.8	77.6
10		9.1	77.3
20		9.9	76.5
38	Bottom	9.2	77.2 cont. on P-14

N4570

cont. on Page 14

4047	Bottom	9.2	77.2
40		9.2	77.2
30		9.3	77.1
20		10.1	76.3
10		9.4	77.0

586.38

N4570

4000		8.8	577.4
3990		6.5	79.9
80		5.0	81.4
70		2.4	84.0
60		+2.7	89.1

N4560

3960		+0.7	87.1
70		2.8	83.4
80		5.1	81.3
90		6.7	79.7
4000		8.8	77.6
10		9.5	76.9
20		10.2	76.2
30		9.8	76.6
47	Bottom	9.8	76.6 Cont. on Page 14

Plotted

N4550

4050	Bottom	9.7	76.7
40		9.7	76.7
30		10.3	76.1
20		10.2	76.2
10		10.3	76.1
4000		9.5	76.9
3990		7.9	78.5
80		5.3	81.1
70		3.7	82.7
60		0.6	85.8 Cont. Page 14

586.38

3960		
68		
73		
80		
90		
4000		
10		
20		
30		
40		
55	Bottom	
4055	Bottom	
40		
30		
20		
10		
4000		
3990		
80		
70		
60		

Plotted

N4540

+4.8	591.2
+2.1	88.5
7.4	79.0
6.1	80.3
7.4	79.0
9.3	77.1
10.5	75.9
10.7	75.7
10.8	75.6
11.0	75.4
11.0	75.4

Contin page 14

N4530

11.1	75.3
11.1	75.3
11.0	75.4
10.9	75.5
10.8	75.6
9.6	76.8
10.5	75.9
9.7	74.7
2.8	83.6
0.0	84.4

586.38

3960		
70		
80		
90		
4000		
10		
20		
30		
40		
56		
4058		
50		
40		
30		
20		
10		
4000		
3990		
80		
70		
60		
B.M.		

Plotted

N4520

1.0	585.4
3.8	82.6
6.2	80.2
7.8	78.6
10.4	576.0
11.2	75.2
11.2	75.2
11.3	75.1
11.1	75.3
11.1	75.3

N4510

11.3	75.1
11.3	75.1
11.5	74.9
11.2	75.2
11.4	75.0
11.6	74.8
10.3	76.1
8.5	77.9
5.6	80.8
4.2	82.2
1.5	84.9 ~~82.9~~
1.39	584.99

Plotting ok. as shown by GSH

B.M.	1.05	586.04	
			584.99
			N4500
3960			1.8 584.2 ✓
70			3.6 82.4 ✓
80			5.4 80.6 ✓
90			7.4 78.6 ✓
4000			9.7 76.3 ✓
10			10.9 75.1 ✓
20			11.4 74.6 ✓
30			11.6 74.4 ✓
40			11.5 77.5 ✓
50			10.5 75.5 ✓
58	Bottom		10.5 75.5 ✓ Cont. Page 15
			N4490
4056	Bottom		11.1 74.9 ✓ Cont. on Page 15
40			11.8 74.2 ✓
30			11.7 74.3 ✓
20			12.0 74.0 ✓
10			10.8 75.2 ✓
4005			2.3 83.7 ✓
3990			7.3 78.7 ✓
80			5.6 80.4 ✓
70			4.0 82.0 ✓
60			1.1 84.9 ✓
50			+1.9 87.9 ✓

		586.04	N4480
3950			+2.6 588.4 ✓
60			1.2 84.8 ✓
70			3.9 82.1 ✓
80			5.5 80.5 ✓
90			7.7 78.3 ✓
4000			9.4 76.4 ✓
10			10.5 75.5 ✓
20			12.5 73.5 ✓
30			12.1 73.9 ✓
40			12.0 74.0 ✓
56	Bottom		12.0 74.0 ✓
			N4470
4056			12.3 ~~73.7~~ 73.4 ✓
40			12.1 73.9 ✓
30			12.5 73.5 ✓
20			11.6 74.4 ✓
10			7.3 78.7 ✓
4000			9.1 76.9 ✓
3990			7.7 78.3 ✓
80			6.2 79.8 ✓
70			4.2 81.8 ✓
60			1.8 84.2 ✓
50			+1.8 87.8 ✓

586.04

3950		N4460	
60		+0.9	586.9 ✓
70		2.0	84.0 ✓
80		4.5	81.5 ✓
90		6.1	79.9 ✓
4000		7.8	78.2 ✓
10		9.6	76.4 ✓
20		11.1	74.9 ✓
30		12.6	73.4 ✓
40		12.5	73.5 ✓
54	Bottom	12.8	73.2 ✓
		12.4	73.6 ✓ cont. Page 15
		N4450	
4056	Bottom	12.8	73.2 ✓ Cont. on P 15
40		12.4	73.6 ✓
30		12.7	73.3 ✓
20		13.1	72.9 ✓
10		11.3	74.7 ✓
4000		9.7	76.3
3990		8.2	77.8 ✓
80		6.3	79.7 ✓
70		4.5	81.5 ✓
60		2.1	83.9 ✓
50		+0.2	86.3 ✓

Plotted as shown By ✓ Plotting Ck 9-12-24 GPB

586.04

3950		N4440	
60		+1.3	87.3 ✓
70		2.0	84.0 ✓
80		4.5	81.5 ✓
90		6.7	79.3 ✓
4000		8.4	77.6 ✓
10		10.3	75.7 ✓
20		11.6	74.4 ✓
30		13.1	72.9 ✓
40		12.8	73.2 ✓
54	Bottom	13.4	72.6 ✓
		13.3	72.7 ✓ Cont. on P-15
		N4430	
4055	Bottom	13.4	72.6 ✓
40		13.6	72.4 ✓
30		13.1	72.9 ✓
20		13.3	72.7 ✓
10		12.0	74.0 ✓
4000		10.7	75.3 ✓
3990		8.8	77.2 ✓
80		6.7	79.3 ✓
70		3.2	82.8 ✓
60		+0.4	84.4 ✓

Left page

		586.04	N4420		
3960			+0.1	586.1	
70			3.3	82.7	
80			6.5	79.5	
90			9.2	76.8	
4000			10.9	75.1	
10			12.4	73.6	
20			13.8	72.2	
30			13.3	72.8 (7)	
40			13.8	7X2 (2)	
56	Bottom		13.6	72.4	Page 16
			N4410		
4055			12.5	73.5	Page 16
40			14.1	71.9	
30			13.6	72.4	
20			14.4	71.6	
10			13.0	73.0	
4000			11.9	74.1	
3990			8.8	77.2	
80			5.6	80.4	
70			1.8	84.2	
60			+0.5	86.5	
B.M.			1.05	584.99	Rec. Elev. 584.99

Plotting checked as shown by ✓ 9-12-34 CBK

Right page

Original ground X Secs west of dam — Spoil Area

Oct 12-33
Loudon
Remmen
Salgado

		Trans. / Level		
B M	7.64	671.83		664.19
T.P.	11.23	682.87	0.19	671.64
		682.87	N5070	
3970			8.0	674.9
60			8.6	74.3
50			11.7	71.2
		671.8		
40			4.6	667.2
30			8.0	63.8
20			10.6	61.2
			N5060	
3920			16.7	55.1
30			14.3	57.5
40			7.3	64.5
50			6.0	65.8
		682.87		
60			11.5	671.4
70			8.6	74.3
80			5.7	77.2
90			6.3	76.4

	682.87	N 5050	
4010		4.7	478.2
00		6.3	76.4
3990		6.4	76.5
80		6.6	76.3
70		11.0	71.9
	671.83		
60		5.5	666.3
50		7.7	64.1
40		10.3	61.5
30		14.3	57.5
20		18.5	53.3
		N 5040	
3920		19.3	52.5
30		13.8	58.0
40		12.4	59.4
50		9.5	62.3
60		7.8	64.0
70		6.1	65.7
	682.87		
80		14.0	668.9
90		10.4	72.5
4000		5.9	77.0
10		3.8	79.1
20		4.4	78.5

	671.83	N 5030
3950		23.7 648.1
60		19.5 52.3
70		15.2 56.4
80		6.4 65.4
90	682.87 →	12.8 670.1
4000		11.6 71.3
10		9.6 73.3
20		8.6 74.3
30		3.5 79.4
		N 5020
4060		0.5 82.4
50		1.0 81.9
40		6.0 76.9
30		11.0 71.9
20	671.83 →	3.0 668.8
10		3.1 68.7
4000		4.4 67.4
3990		4.2 67.6
80		9.3 62.5
70		21.3 50.5

	671.83	N 5010	
3990		10.0	661.8
4000		7.8	64.0
10		6.8	65.0
20		9.0	62.8
30		6.0	65.8
	682.87	*	
40		12.1	670.8
50		7.5	75.4
60		0.6	82.3
70		0.0	82.9
		N 5000	
4090		+1.8	84.7
80		+1.2	84.1
70		2.7	80.2
60		6.9	76.0
50		10.3	72.6
40		16.8	66.1
	671.83		
30		11.0	660.8
20		13.8	58.0
10		11.2	60.6
4000		12.3	59.5
3997		13.2	58.6

	671.83	N 4990	
3995		20.0	651.8
4000		19.2	52.6
10		19.0	52.8
20		17.4	54.4
30		10.2	61.6
40		6.0	65.8
50		1.3	70.5
	682.87		
60		10.5	672.4
70		7.5	75.4
80		2.4	80.5
90		+0.8	83.7
4100		+2.6	85.5
10		+2.6	85.6
		N 4980	
4120		+3.4	86.3
10		+3.8	86.7
4100		0.2	82.7
4090		3.9	79.0
80		8.4	74.5
70		11.5	71.4

671.83

N4980

4060	1.9	669.9
50	3.7	68.1
40	7.4	64.4
30	10.9	60.9
20	18.0	53.8
10	26.9	44.9
4000	25.0	46.8

N4970

3996	30.8	41.0
4000	30.1	41.7
10	24.6	47.2
20	17.7	54.1
30	11.4	60.4
40	8.3	63.5
50	5.9	65.9
60	4.4	67.4
70	2.7	69.1

682.87

80	10.8	672.1
90	10.6	72.3
4100	2.9	80.0
10	+1.5	84.4
20	+3.4	86.3
30	+1.0	86.9
4130	+5.0	687.9
20	+3.8	686.7
10	2.0	80.9
4100	7.0	75.9
4090	13.0	69.9

671.83

80	4.0	67.8
70	5.4	66.4
60	7.0	64.8
50	8.1	63.7
40	9.9	61.9
30	12.1	59.7
20	17.8	54.0
10	26.3	45.5
4000	35.6	36.2

682.87

N4960

	+5.0	687.9
	+3.8	686.7
	2.0	80.9
	7.0	75.9
	13.0	69.9

		Transit.		
B M	4.03	668.22		664.19
T.P	11.55	Level 679.11	0.66	667.56

N 4950

4140		+9.6	688.7
30		+9.2	688.5
20		+3.1	82.2
10		1.8	77.3
4100		6.0	73.1
4090		8.4	70.7
80		13.3	65.8
	668.22		
70		3.8	664.4
60		5.9	62.3
150		6.8	61.4
40		8.2	60.0
30		11.0	57.2
20		14.0	54.2
10		21.0	47.2

668.22

N 4940

H001	27.0	41.2
10	19.6	48.6
20	15.7	52.5
30	13.3	54.9
40	12.0	56.2
50	10.5	57.7
60	8.5	59.7
70	6.5	61.7
80	1.1	67.1
679.11		
90	9.8	69.3
4100	7.9	71.2
10	5.6	73.5
20	1.0	78.1
30	+4.2	83.3
40	+9.7	88.8

679.11 N 4930

4140		+5.5	684.6
30		0.6	78.5
20		4.8	74.3
10		7.5	71.6
4100		10.6	68.5
~~4090~~	668.22		
4090		1.9	666.3
80		5.2	63.0
70		8.4	59.8
60		11.0	57.2
T.P	0.05	Level 657.27	11.00 657.22
50		2.2	655.1
40		3.1	54.2
30		5.4	51.9
20		7.0	50.3
10		10.7	46.6
4003		13.2	44.1

657.27 N 4920

4010	14.6	642.7
20	8.8	48.5
30	8.2	49.1
40	6.3	51.0
50	4.1	53.2
60	2.2	55.1
668.22		
70	10.0	658.2
80	6.9	61.3
90	4.1	64.1
4100	1.5	66.7
10	+1.0	69.2
20	+3.0	71.2
30	+6.4	74.6
40	+12.0	80.2

N 4910

4140	+6.5	74.7
30	+1.4	69.6
20	1.2	67.0
10	1.9	66.3
4100	4.5	63.7
4090	6.4	61.8
80	8.5	59.7
70	10.6	57.6
60		

657.27 N 4910

40	60	4.2	653.1
	50	6.8	50.5
	40	10.3	47.0
	30	11.4	45.9
	20	13.3	44.0
40	15	14.2	43.1

N 4900

40	20	15.1	42.2
	30	14.4	42.9
	40	14.3	43.0
	50	8.6	48.7
	60	6.4	50.9
	70	4.2	53.1
	80	1.5	55.8

668.22

	90	9.2	659.0
41	00	7.4	60.8
	10	7.2	61.0
	20	7.6	60.6
	30	3.6	64.6

668.22 N 4890

41	40	2.0	666.2
	30	5.7	62.5
	20	11.5	56.7
	10	11.3	56.9
41	00	10.9	57.3
40	90	13.4	54.8

657.27

	80	4.4	652.9
	70	6.3	61.0
	60	9.3	58.0
	50	13.1	44.2
	40	18.0	39.3
	30	16.4	40.9
	24	18.0	39.3

N 4880

40	26	22.1	35.2
	30	22.4	34.9
	40	20.5	34.8
	50	16.7	40.6
	60	13.4	43.9
	70	10.1	47.2
	80	7.7	49.6
	90	5.6	51.7
41	00	5.1	52.2

		Level 657.27	N4880	
4110			4.9	652.4
		668.22		
20			13.3	664.9
30			7.8	60.4
			N4870	
4130			7.9	60.3
20			13.3	54.9
T.P.	0.47	657.07	11.62	656.60
		Transit		
T.P.	1.94	647.68	11.33	645.74
10			+0.4	648.1
00			1.6	46.1
4090			0.0	47.7
80			0.8	46.9
70			2.1	44.6
60			6.2	40.5
50			10.2	37.5
40			12.7	35.0
30			16.0	31.7
24			12.0	35.7

	647.68	N4860
4023		22.0 425.7
30		18.4 29.3
40		16.2 31.5
50		13.6 34.1
60		8.6 39.1
70		5.4 42.3
80		4.4 43.3
90		5.1 42.6
4100		3.6 44.1
~~10~~	657.27	
10		7.6 649.7
20		2.3 55.0
30		+4.0 61.3
		N4850
4130		+3.7 61.0
20		0.6 54.7
10		6.4 50.9
	647.68	
4100		2.4 645.3
4090		8.3 39.4
80		7.9 39.8
70		8.7 39.0
60		10.3 37.4
50		7.1 40.0
40		14.4 33.3

		647.68 check			
T.P.	10.58	657.28	0.98	646.70	
B M	check.		3.08	654.20	654.21

N4850

B.M	8.02	625.96		617.94
4030			9.0	617.0
20			9.3	16.7
10			9.4	16.4
4000			9.5	16.5
3990			9.6	16.4
80			8.7	17.3
70			8.7	17.3
64			8.7	17.3
60			12.4	13.6
50			18.6	07.4
40			24.5	01.5
30			27.2	598.8
20			31.2	94.8
10			34.2	92.8
3900			29.2	96.8

N4860

3900			32.8	93.2
10			29.3	596.7
20			24.8	601.2
30			21.1	04.9
40			18.1	07.9
50			15.3	10.7
60			10.2	15.8

3.5

625.96 N4860

3970	9.0	617.0
80	9.4	16.6
90	9.2	16.8
4000	9.0	17.0
10	8.6	17.4
18	8.4	17.6

N4870

4015	7.4	18.6
10	7.7	18.3
4000	8.1	17.9
3990	8.5	17.5
80	8.9	17.1
70	9.0	17.0
60	9.3	16.7
50	9.5	16.5
40	11.5	14.5
30	16.0	10.0
20	19.2	06.8
10	23.4	02.6
3900	26.4	599.6

625.96 N4880

3900	19.5	406.5
10	16.9	09.1
20	13.4	12.6
30	10.8	15.2
40	9.1	14.9
50	8.8	17.2
60	8.9	17.1
70	8.7	17.3
80	8.1	17.9
90	7.8	18.2
4000	7.4	18.6
10	7.7	18.3
20	7.3	18.7

N4890

4010	7.0	19.0
4000	7.5	18.5
3990	6.9	19.1
80	7.3	18.7
70	7.7	18.3
60	8.0	18.0
50	8.5	17.5
40	8.6	17.4
30	7.5	18.5
20	8.7	17.3
10	11.0	15.0
3900	12.8	13.2

625.96 N 4900

3900	7.8	618.2
10	7.5	18.5
20	8.0	14.0
30	7.9	18.1
40	7.6	18.4
50	7.2	18.8
60	7.0	19.0
70	6.7	19.3
80	6.5	19.5
90	6.5	19.5
4000	7.3	18.7
10	6.3	19.7

N 4910

4005	5.6	20.4
00	7.0	19.0
3990	7.8	18.2
80	6.2	19.2
70	6.1	19.9
60	6.2	19.8
50	6.4	19.6
40	6.6	19.4
30	6.8	19.2
20	6.9	19.1
10	6.9	19.1
3900	6.9	19.1

625.96 N 4920

3900	5.9	620.1
10	6.0	20.0
20	6.0	20.0
30	5.9	20.1
40	5.8	20.2
50	5.7	20.3
60	5.7	20.3
70	6.3	19.7
80	7.8	18.2
90	7.5	18.5
4000	4.2	21.8

N 4930

4000	3.6	22.4
3990	6.4	20.4
80	7.7	18.3
70	7.0	19.0
60	5.5	20.5
50	5.5	20.5
40	5.1	20.9
30	5.2	20.8
20	5.3	20.7
10	5.2	20.8
3900	5.2	20.8

625.96 N 4940

3900	5.7	20.3
10	5.5	20.5
20	6.1	19.9
30	6.4	19.6
40	6.8	19.2
50	6.0	20.0
60	5.7	20.3
70	6.9	19.1
80	5.8	20.2
90	3.9	22.1
95	2.0	24.0

N 4950

3995	+3.2	29.2
80	4.8	21.2
70	6.6	19.4
60	6.6	19.4
50	6.3	19.7
40	7.1	18.9
30	7.1	18.9
20	6.5	19.5
10	5.4	20.1
3900	5.3	20.7

N 4960

B.M	8.02	625.96	617.94
3900		5.2	20.8
05		2.0	24.0
10		5.0	21.0
20		6.3	19.7
30		6.7	19.3
40		6.9	19.1
50		6.9	19.1
60		7.0	19.0
70		7.2	18.8
80		1.4	24.6

N 4970

3980	+0.1	26.1
70	6.4	19.4
60	7.1	18.9
50	7.2	18.8
40	6.9	19.1
30	6.3	19.7
20	4.2	21.8
10	1.9	24.1
05	+0.2	26.2
3900	3.1	22.4

625.96 N 4980

3900	+1.6	627.4
10	1.4	24.4
20	3.4	22.4
30	3.4	22.4
40	6.5	19.5
50	7.1	18.9
60	6.2	19.8
70	2.4	23.6
80	+2.0	28.0

N 4990

3985	+9.3	35.3
80	+6.8	32.8
70	+1.2	27.2
60	2.3	23.7
50	3.7	22.3
40	1.0	25.0
30	2.3	23.7
20	+6	21.4
10	5.3	20.7
3900	+0.8	24.8

625.96 N 5000

3900	+2.8	28.8
10	3.3	22.7
20	4.0	22.0
30	1.0	25.0
40	+2.6	28.4
50	+5.0	31.0
60	+5.9	31.9
70	+7.8	33.8
80	+13.0	39.0

N 5010

3980	+18.8	44.8
70	+16.4	42.4
60	+14.3	40.3
50	+6.5	32.5
40	+6.1	32.1
30	+2.4	28.4
20	1.7	25.3
10	+0.2	24.2
05	+2.7	28.7
3900	+12.0	38.0

T.P	11.53	636.79	0.70	625.26
T.P.	11.58	647.70	0.67	636.12

		647.70	N 5020	
3900			10.7	637.0
07			5.4	42.3
10			19.5	28.2
20			18.0	29.7
30			15.1	32.4
40			10.2	37.5
50			5.0	42.7
60			2.0	45.7
			N 5030	
3940			0.1	47.4
30			0.5	47.2
20			+3.0	50.7
10			1.5	46.2
3900			+1.0	48.7
T.P.	11.56	658.04	1 22	646.48
B.M. check			3.85	654.19 654.21
			N 5040	
3910			8.0	650.0
3900			3.0	55.0
			N 5050	
3900			6.5	51.5
10			7.5	50.5

Simpson.
Salgado
Pommen.

Cross-sections West of Tunnel Portal, on south side of River, for Pipe Line Location.
Oct. 23, 1933

B.M.	2.30	571.01	568.71	
		E 3700		
N 3330		+4.4	75.4	←
40		+3.7	74.7	←
48		+3.6	74.6	←
55		+1.6	72.6	←
63		0.4	70.6	←
66		2.2	68.8	←
76		2.3	68.7	Rd. ←
92		2.9	68.1	Rd. ←
95		5.4	65.6	←
3403		6.5	64.5	←
10		9.1	61.9	←
20		12.9	58.1	←
30		15.7	55.3	←
		E 3720		
3450		21.1	49.9	←
40		17.8	53.2	←
30		13.3	57.7	←
22		13.5	57.5	←
10		9.8	61.2	←
3400		6.2	64.8	←
3395		5.7	65.3	←
90		3.0	68.0	Rd. ←

	571.01	**E 3720**		
3375		2.2	68.8	Rd. ←
70		+0.6	71.6	←
60		+1.3	72.3	←
50		+2.2	73.2	←
40		+3.4	74.4	←
30		+6.2	77.2	←
		E 3740		
3330		+7.4	78.4	←
40		+5.0	76.0	←
50		+3.0	74.0	←
60		+2.1	73.1	←
70		0.6	70.4	←
73		2.6	68.4	Rd. ←
89		2.8	68.2	Rd. ←
96		6.1	64.9	←
3405		6.2	64.8	←
10		8.9	62.1	←
20		10.1	60.9	←
30		15.4	55.6	←
40		19.5	51.5	←
		E 3760		
40		20.6	50.4	←
30		15.9	55.1	←
20		11.3	59.7	←
12		9.7	61.3	←

571.01

3405			
3392			
88			
72			
69			
60			
50			
40			
30			
T.P.			
	11.72	582.00 ✓	

E3760

5.3	65.7	←
5.8	65.2	←
3.0	68.0	Rd. ←
3.1	67.9	Rd. ←
0.7	70.3	←
+1.9	72.9	←
+4.3	75.3	←
+6.1	77.1	←
+8.3	79.3	←
0.73	570.28 ✓	

E3780

3360		
50		
40		
30		
20		
9.8	72.2	←
7.1	74.9	←
3.7	78.3	←
0.8	81.2	←
+2.0	84.0	←

E3800

3360		
50		
40		
30		
20		
10.2	71.8	←
7.1	74.9	←
1.8	80.2	←
+0.5	82.5	←
+3.4	85.4	←

582.00

E3820

3320		
30		
40		
50		
60		
+4.7	86.7	←
+0.9	82.9	←
2.7	79.3	←
6.3	75.7	←
10.8	71.2	←

E3840

3360		
50		
40		
30		
20		
11.5	70.5	←
6.7	75.3	←
2.3	79.7	←
+1.8	83.8	←
+6.9	88.9	←

E3860

3360		
50		
40		
30		
20		
10.1	71.9	←
6.2	75.8	←
2.1	79.9	←
+3.8	85.8	←
+7.2	89.2	←

E3880

3360		
50		
40		
30		
20		
T.P.		
9.8	72.2	←
5.4	76.6	←
0.5	81.5	←
+4.0	86.0	←
+8.1	90.1	←
8.35	573.65 ✓	
6.27	579.92 ✓	

579.92

	E3900	
3360	6.8	73.1
50	2.8	77.1
40	+1.4	81.3
30	+6.4	86.3
	E3920	
3360	7.1	72.8
50	3.8	76.1
40	+0.3	80.2
30	+5.0	84.9
20	+9.2	89.1
	E3940	
3360	7.2	72.7
50	3.0	76.9
40	0.1	79.8
30	+2.2	82.1
20	+2.0	81.9 : Gully
10	+6.6	86.5
	E3950	
3360	8.2	71.7 : Gully
50	6.2	73.7 "
40	0.5	79.4
30	+3.3	83.2
20	+5.7	85.6

579.92

	E3960	
3360	5.7	74.2
50	3.5	76.4
40	0.3	79.6
30	+3.3	83.2
20	+6.3	86.2
	E3980	
3360	5.0	74.9
50	2.0	77.9
40	+1.5	81.4
30	+6.2	86.1
20	+11.3	91.2
	E4000	
3360	3.8	76.1
50	0.6	79.3
40	+2.3	82.2
30	+6.2	86.1
20	+10.6	90.5
	E4020	
3370	5.9	74.0
60	3.7	76.2
50	0.2	79.7
40	+2.5	82.4
30	+6.4	86.3
20	+10.6	90.5
B.M.	11.22	568.70 Rec. elev. 568.71

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B.M.	8.80	577.51 Transit		568.71	
	0.67	564.32 Level		563.65	
		577.51	E4040		
3340			+4.5	82.0	
50			+1.7	79.2	
60			1.1	76.4	
70			2.5	75.0	
80			5.8	71.7	
84			7.8	69.7	Rd.
90			7.9	69.6	
3400			7.9	69.6	Rd.
10			8.2	69.3	
20			9.8	67.7	
30			10.4	67.1	
50			12.1	65.4	
70			11.6	65.9	
80			12.2	65.3	
90			12.0	65.5	
3500			11.7	65.8	
		564.32			
27			17.5	46.8	Toe of Spoil Bank

		564.32	E4050		
3527			17.5	46.8	Toe of Spoil Bank
		577.51			
3502			11.8	65.7	
3490			12.2	65.3	
80			11.8	65.7	
70			12.0	65.5	
60			12.4	65.1	
45			11.2	66.3	
30			5.3	72.2	
10			6.9	70.6	Rd.
3390			7.6	69.9	Rd.
84			7.1	70.4	
70			2.3	75.2	
60			0.7	76.8	
50			+2.3	79.8	
40			+5.3	82.8	
			E4060		
3340			+6.2	83.7	
50			+3.6	81.1	
60			0.2	77.3	
70			2.4	75.1	
87			7.1	70.4	Rd.
3410			6.2	71.3	Rd.
15			4.8	72.7	
20			4.2	73.3	

	577.51	**E4060**		
3440		4.5	73.0	↵
50		11.5	66.0	↵
70		12.3	65.2	↵
80		11.9	65.6	↵
90		12.5	65.0	↵
3506		11.7	65.8	↵
	564.32			
27		14.5	49.8	Toe of Spoil Bank ↵
		E4080		
3534		15.9	48.4	" ↵
	577.51			
10		11.8	65.7	↵
03		12.3	65.2	↵
3500		14.2	63.3	↵
3490		13.5	64.0	↵
80		12.9	64.6	↵
56		12.0	65.5	↵
47		5.0	72.5	↵
40		4.2	73.3	↵
30		5.1	72.4	↵
20		4.8	72.7	↵
10		5.8	71.7	↵
3400		5.8	71.7	↵
3390		6.4	71.1	↵
80		2.7	74.8	↵

	577.51	**E4080**		
3370		+0.8	78.3	↵
60		+4.0	81.5	↵
50		+7.4	84.9	↵
40		+10.9	88.4	↵
		E4100		
3350		+12.2	89.7	↵
60		+8.4	85.9	↵
70		+4.3	81.8	↵
80		0.3	77.2	↵
90		3.9	73.6	↵
3400		5.5	72.0	↵
10		5.9	71.6	↵
20		6.1	71.4	↵
30		6.1	71.4	↵
40		6.6	70.9	↵
50		5.2	72.3	↵
57		11.7	65.8	↵
60		12.7	64.8	↵
70		12.8	64.7	↵
80		13.2	64.3	↵
90		14.2	63.3	↵
3500		16.2	61.3	↵
06		16.1	61.4	↵
10		12.7	64.8	↵
12		12.4	65.1	↵

564.32

E4100			
3535	15.9	48.4	Toe of Spoil Bank,
E4120			
3537	15.0	49.3	"
18	1.3	63.0	
12	3.7	60.6	
3500	2.8	61.5	
3490	0.6	63.7	
80	0.0	64.3	
577.51			
70	13.0	64.5	
60	11.5	66.0	
50	9.5	68.0	
40	7.2	70.3	
30	6.8	70.7	
20	6.6	70.9	
10	6.7	70.8	
3400	5.0	72.5	
3390	1.3	76.2	
80	+2.8	80.3	
70	+7.2	84.7	
60	+12.0	89.5	
E4140			
3570	+13.0	90.5	
80	+7.7	85.2	
90	+1.6	79.1	

577.51

E4140			
3400	2.9	74.6	
10	6.9	70.6	Rd,
20	7.0	70.5	
30	6.9	70.6	
40	6.6	70.9	
50	6.9	706	
60	8.3	69.2	
67	11.9	65.6	
564.32			
80	0.5	63.8	
90	2.1	62.2	
3500	3.8	60.5	
10	4.9	59.4	
20	5.8	58.5	
28	5.8	58.5	
38	15.4	48.9	Toe of Spoil Bank
E4160			
3570	15.5	48.8	℄ of River channel
60	13.0	51.3	
50	11.8	52.5	
40	9.5	54.8	
30	7.6	56.7	
20	6.5	57.8	
10	4.1	60.2	
3500	3.4	60.9	

564.32

E4160

3490	2.2	62.1
80	1.5	62.8
70	0.5	63.8
60	9.2	68.3
53	6.8	70.7
40	6.7	70.8
30	6.8	70.7
20	7.0	70.5
11	6.7	70.8
07	1.1	76.4
3400	+1.6	79.1
90	+6.3	83.8
80	+12.0	89.5

577.51

E4180

3380	+12.8	90.3
90	+8.9	86.4
3400	+3.9	81.4
08	+0.6	78.1
12	5.9	71.6
20	6.3	71.2
30	6.2	71.3
40	6.6	70.9
50	7.2	70.3
56	7.6	69.9
68	14.3	63.2

564.32

E4180

3480	2.8	61.5
90	2.9	61.4
3500	2.9	61.4
10	2.9	61.4
17	2.5	61.8
33	16.7	47.6 Toe of Spoil Bank.

Note: Section on E.4190 on Next Page

E4200

3522	16.5	47.8 "
10	3.7	60.6
3490	3.7	60.6
80	3.5	60.8
70	2.1	62.2

577.51

55	6.3	71.2
40	5.9	71.6
30	5.5	72.0
20	5.0	72.5
13	3.9	73.6
3400	3.5	74.0
3394	3.0	74.5
85	+9.7	87.2

	577.51	E4190		
3390		+9.5	87.0	↵
3400		+4.7	82.2	↵
09		+1.1	78.6	↵
12		5.0	72.5	↵
20		5.9	71.6	↵
30		5.9	71.6	↵
40		6.1	71.4	↵
55		7.0	70.5	↵
	564.32			
70		2.2	62.1	↵ Natural Ground
80		3.2	61.1	↵
90		3.3	61.0	↵
3500		3.5	60.8	↵
13		3.3	61.0	↵
28		16.8	47.5	↵
		E4220		
3510		16.2	48.1	↵
3498		5.0	59.3	↵
90		5.0	59.3	↵
80		4.8	59.5	↵
68		2.4	61.9	↵ Natural = Ground
	577.51			
52		5.1	72.4	↵
38		3.8	73.7	↵
30		4.0	73.5	↵

	577.51	E4220		
3420		4.1	73.4	Boulder 6'x9'x12' 6ft. N3442 E4225 ↵
10		4.1	73.4	↵ Not shown in sections
3390		4.1	73.4	↵
85		+9.0	86.5	↵
		E4240		
3392		+8.0	85.5	↵
97		2.7	74.8	↵
T.P.		2.30	575.21	↵
	3.51	578.72		↵
3410		5.2	73.5	↵
20		5.1	73.6	↵
30		5.3	73.4	↵
40		5.1	73.6	↵
47		5.9	72.8	↵
60		14.3	64.4	↵
	564.32			
70		5.8	58.5	↵
80		6.4	57.9	↵
90		6.3	58.0	↵
97		12.5	51.8	↵
3505		16.7	47.6	↵
15		17.8	46.5	↵ in river channel

	564.32	**E4250**		
3507		18.5	45.8	in River Channel
3500		16.3	48.0	↵
3490		13.8	50.5	↵
85		7.5	56.8	↵
70		6.3	58.0	↵
60		1.4	62.9	↵
	578.72			
50		9.0	69.7	↵
42		5.5	73.2	↵
30		4.8	73.9	↵
24		4.7	74.0	↵
10		+1.5	80.2	↵
02		+1.8	80.5	↵
01		+4.6	83.3 ~~81.3~~	
3390		+7.8	86.5	O.G. ↵
		E4260		
3390		+8.1	86.8	O.G. ↵
3400		+5.5	84.2	↵
02		+2.3	81.0	↵
10		+1.5	80.2	↵
20		+1.0	79.7	↵
27		4.5	74.2	↵
40		5.8	72.9	↵
50		9.4	69.3	↵

	578.72	**E4260**		
3460		14.4	64.3	↵
68		14.9	63.8	↵
	564.32			
70		7.3	57.0	↵
77		8.2	56.1	↵
T.P.		10.26	554.06	↵
	0.20	554.26		↵
80		3.4	50.9	↵
90		6.2	48.1	↵
3500		7.3	47.0	in River Channel
		E4270		
3510		7.1	47.2	↵ "
3500		6.8	47.5	↵
3490		7.0	47.3	↵
80		5.9	48.4	↵
70		0.0	54.3	↵
	578.72			
T.P.	2.91	576.15	5.48	573.24 ↵
66		8.0	68.1	↵ on Large Boulder
58		8.9	67.2	↵
50		9.1	67.0	↵
40		3.7	72.4	↵
30		2.3	73.8	↵
26		2.3	73.8	↵

	576.15	**E4270**		
3420		+3.6	79.7	
10		+5.2	81.3	
01		+5.1	81.2	
3399		+8.1	84.2	= O.G.
		E4280		
3420		+2.3	78.4	= O.G.
25		1.8	74.3	
30		3.0	73.1	
40		3.7	72.4	
50		9.9	66.2	
62		8.3	67.8	
	554.26			
66		+0.5	54.8	
70		3.1	51.2	
80		6.7	47.6	
90		7.2	47.1	
3500		6.9	47.4	
10		6.5	47.8	
		E4290		
3510		6.5	47.8	
3500		6.1	48.2	
3490		6.8	47.5	
80		6.5	47.8	
70		5.5	48.8	

		554.26		**E4290**	
3463			+1.2	55.5	
		576.15			
56			9.1	67.0	
50			7.1	69.0	
40			4.5	71.6	
27			3.8	72.3	
21			+1.0	77.1	= O.G.
B.M.			12.49	563.66	Rec. Elev. 563.65.
B.M.	11.93	575.58 Transit.		563.65	
Oct. 25, 1933 Some Partr.	1.14	564.79		563.65	
T.P.	5.25	558.33 Level	11.71	553.08	
				E4300	
3490			10.4	47.9	
80			10.6	47.7	
70			10.3	48.0	
63			8.5	49.8	
59			0.5	57.8	
		575.58			
45			7.7	67.9	
40			4.5	71.1	
27			4.1	71.5	
22			+0.2	75.8	

575.58

3421			
26			
38			
48			
	558.33		
56			
60			
70			
80			
90			
3480			
70			
60			
55			
48			
	575.58		
39			
25			
20			
3420			
25			
33			

E4310

1.0	74.6	←
4.0	71.6	←
4.7	70.9	←
10.8	64.8	←
0.5	57.8	←
8.5	49.8	←
10.0	48.3	←
10.8	47.5	←
8.5	49.8	←

E4320

8.2	50.1	←
9.7	48.6	←
9.6	48.7	←
8.5	49.8	←
0.8	57.5	←
5.1	70.5	← Top of Portal cut. 0.6.
4.5	71.1	←
0.6	75.0	←

E4330

1.0	74.6	←
4.6	71.0	←
5.6	70.0	← Top of Portal cut. 0.6.

558.33

3441		
46		
48		
60		
70		
80		
3480		
70		
60		
50		
45		
38		
	575.58	
28		
25		
22		
3421		
	558.33	
32		
38		
43		
50		
55		

E4330

0.0	58.3	←
2.2	56.1	←
8.1	50.2	←
10.0	48.3	←
10.2	48.1	←
6.9	51.4	←

E4340

7.2	51.1	←
9.9	48.4	←
7.1	51.2	←
6.8	51.5	←
5.7	52.6	←
0.7	57.6	←
5.7	69.9	← Top of Portal cut. 0.6.
5.1	70.5	←
1.6	74.0	←

E4350

1.7	73.9	← Top of Portal cut 0.6.
+1.2	59.5	←
5.0	53.3	← Toe of Slope
4.7	53.6	←
3.0	55.3	←
3.0	55.3	←

558.32

	E4350		
3460	10.3	48.0	←
70	10.6	47.7	←
	E4360		
3465	11.8	46.5	←
58	10.7	47.6	←
52	4.1	54.2	←
50	0.4	57.9	←
40	5.3	53.0	←
34	6.8	51.5	← Toe of slope
26	+0.6	58.9	←
15		576.4	Top of cut O.G.
	E4370		
3407		578.5	Top of cut O.G.
20	+ 1.0	59.3	←
27	8.1	50.2	← Toe of slope
37	6.4	51.9	←
50	6.8	51.5	←
55	11.5	46.8	←
	E4380		
3452	11.5	46.8	←
47	8.1	50.2	←
35	6.8	51.5	←
25	5.8	52.5	←
20	5.8	52.5	← Toe of slope
3401		580.0	Top of cut O.G.

558.32

	E4390		
3394		582.2	= Top of cut, O.G.
3410	+1.0	59.3	←
14	+0.4	58.7	←
18	+2.0	60.3	←
20	1.6	56.7	←
26	6.0	52.3	←
32	9.0	49.3	←
42	8.6	49.7	←
52	11.5	46.8	←
	E4400		
3451	11.5	46.8	←
40	9.9	48.4	←
30	9.4	48.9	←
20	5.1	53.2	←
12	+2.8	61.1	←
3403	+0.7	59.0	←
3398		574.0	
3386		586.6	O.G. = Top of cut
	E4410		
3380		589.0	O.G. Top of cut
3400	1.0	57.3	←
05	+3.0	61.3	←
10	2.9	55.4	←
20	8.9	49.4	←
30	10.7	47.6	←

558.32

N 3440			11.0	47.3
48			11.5	46.8
3422			10.7	47.6
18			10.1	48.2
B.M.	0.52	564.17		563.65
T.P.			11.28	552.89
	1.28	554.17		
3405			0.9	53.3
3400			+2.2	56.4
3397			0.3	53.8
3370				592.3 Top of cut. O.G.
3345				604.1
46		582.22	+1.0	83.2
68			4.0	78.2
80			12.9	69.3
3390		554.17	1.8	52.4
3400			3.4	50.8
10			5.8	48.4
14			7.1	47.1

E4410

E4420

E4430

582.22

E4440

3390	12.2	70.0
80	12.0	70.2
70	9.4	72.8
58	7.3	74.9
50	3.3	78.9
44	1.9	80.3
3341		604.5 = O.G. Top of cut.

E4450

3342		605.3 "
45	3.6	78.6
60	8.7	73.5
70	11.1	71.1
80	11.9	70.3
90	11.9	70.3

E4460

3388	12.2	70.0
80	11.3	70.9
70	11.6	70.6
60	10.3	71.9
47	5.2	77.0
44		603.4 O.G. Top of cut.

582.22

	E4470		
3341	605.5	O.G.	Top of cut.
49	7.0	75.2	↙
60	9.8	72.4	↙
66	10.5	71.7	↙
76	4.9	77.3	↙
3386	9.6	72.6	↙
	E4480		
3384	11.0	71.2	↙
75	9.9	72.3	↙
65	8.4	73.8	↙
57	7.0	75.2	↙
3348	601.4	O.G.	Top of cut.
	E4490		
3358	596.4		"
64	7.1	75.1	↙
70	8.9	73.3	↙
79	9.9	72.3	↙
82	7.0	75.2	↙

Oct. 25, 1933

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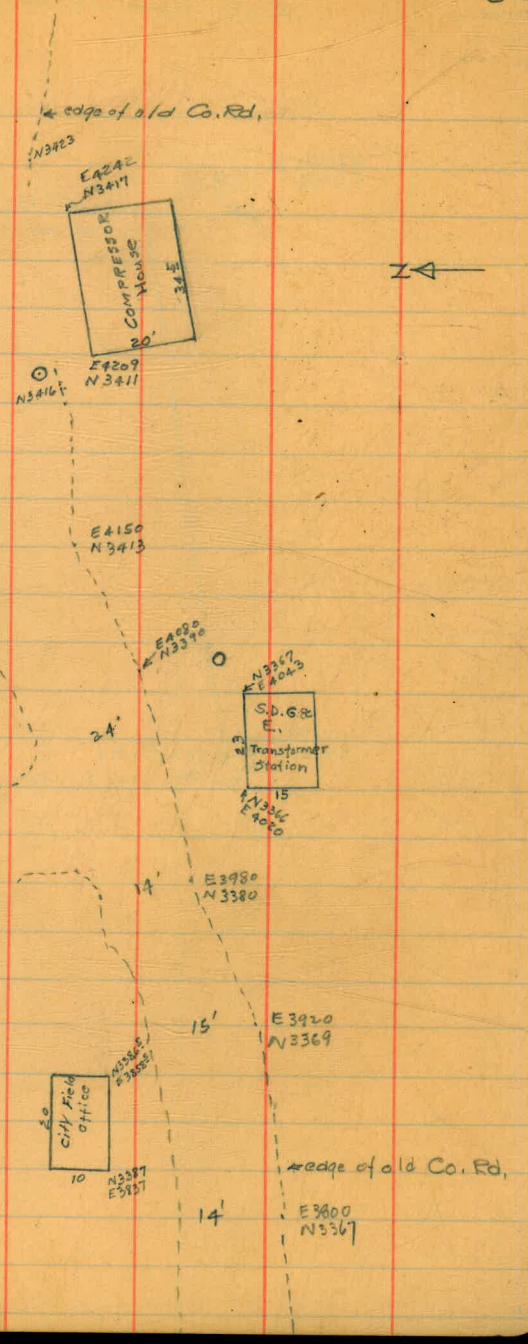

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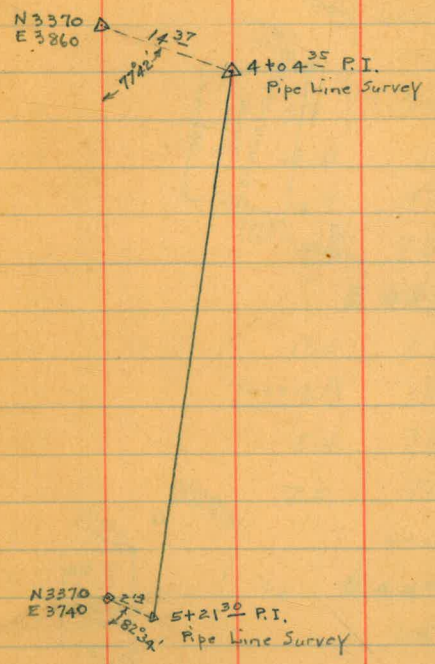
Simpson
Salgado
Remmen.

Pipe Line Survey Tie to Coordinate System



Original Xsections Extended
Dec 11 - 1933 - Elliott - Soper - Remmen

E 4310

B.M.	1.62	605.44 ✓	603.82
N 4220		9.4	96.0 ✓
30		8.9	96.5 ✓
40		8.2	97.2 ✓
50		6.7	98.7 ✓
55		6.3	99.1

E 4300

N 4275	4.6	00.8 ✓
70	4.7	00.7 ✓
60	5.9	99.5 ✓
50	7.3	98.1 ✓
40	8.4	97.0 ✓
30	9.3	96.1 ✓
4220	9.6	95.8 ✓

Plotting checked 9-13-34 GBH
as shown by

E 4290

4220	9.5	95.9 ✓
30	9.3	96.1 ✓
40	8.6	96.8 ✓
50	7.3	98.1
60	5.8	99.6
70	5.0	00.4
80	4.2	01.2
85	4.2	01.2 ✓

605.44

E 4280

N 4310	1.0	04.4 ✓
4300	4.1	01.3 ✓
4290	4.3	01.1 ✓
80	5.4	00.0 ✓
70	6.0	99.4 ✓
60	6.5	98.9 ✓
50	7.6	97.8 ✓
40	8.5	96.9 ✓
30	9.1	96.3 ✓
4220	9.8	95.6 ✓

E 4270

4220	10.5	94.9 ✓
30	9.6	95.8 ✓
40	8.9	96.5 ✓
50	8.0	97.4 ✓
60	7.3	98.1 ✓
70	6.5	98.9 ✓
80	6.1	99.3 ✓
90	5.5	99.9 ✓
4300	4.5	00.9 ✓
10	+0.6	06.0 ✓
20	+3.4	08.8 ✓

	605.44 E 4260	
N4333	+3.6	09.0
4320	3.2	02.2
10	4.0	01.4
4300	4.8	00.6
4290	5.8	99.6
80	6.8	98.6
70	7.0	98.4
60	7.7	97.7
50	8.6	96.8
40	9.3	~~95.4~~ 96.1
30	10.1	95.3
4220	10.4	95.0
	E 4250	
4220	10.3	95.1
30	9.9	95.5
40	9.5	95.9
50	9.3	96.1
60	8.0	97.4
70	7.3	98.1
80	7.0	98.4
90	6.2	99.2
4300	5.4	00.0
10	5.0	00.4

	605.44 E 4250	
N4320	4.6	00.8
30	3.4	02.0
40	+0.9	06.3
50	+8.5	13.9
	E 4240	
4350	3.6	01.8
40	4.0	01.4
30	4.4	01.0
20	4.8	00.6
10	4.4	01.0
4300	3.4	02.0
4290	4.1	01.3
80	6.8	98.6
70	7.8	97.6
60	8.8	96.6
50	9.2	96.2
40	9.5	95.9
30	10.3	95.1
4220	10.8	94.6
	E 4230	
4220	11.0	94.4
30	10.6	94.8
40	10.1	95.3
50	9.2	96.2

Plotting checked 9-13-34 CBH
as shown by

605.44 E4230

4260	8.9	96.5
70	8.5	96.9
80	7.4	98.0
90	6.6	98.8
4300	6.0	99.4
10	4.9	00.5
20	4.8	00.6
30	4.9	00.5
40	4.8	00.6
50	4.7	00.7

E4220

4350	4.2	01.2
40	4.6	00.8
30	5.0	00.4
20	5.4	00.0
10	6.3	99.1
4300	6.7	98.7
4290	7.7	97.7
80	8.4	97.0
70	8.7	96.7
60	9.2	96.2
50	10.3	95.1
40	10.9	94.5
30	11.2	94.2
4220	11.6	93.8

605.44 E4210

4220	12.0	93.4
30	11.3	94.1
40	10.7	94.7
50	10.4	95.0
60	10.0	95.4
70	9.3	96.1
80	8.4	97.0
90	8.1	97.3
4300	7.7	97.7
10	6.3	99.1
20	5.5	99.9
30	5.2	00.2
40	4.9	00.5
50	4.6	00.8

E4200

4350	4.0	01.4
40	4.5	00.9
30	5.2	00.2
20	5.9	99.5
10	7.5	97.9
4300	7.7	97.7
4290	8.1	~~96.3~~ 97.0
80	8.9	96.5
70	9.3	96.1
60	9.9	95.5

Plotting checked 9/13-24/60 by thomas Ing.

605.44

4250		
40		
30		
20		
N 4220		
30		
40		
50		
60		
70		
80		
90		
4300		
10		
20		
30		
40		
50		
4350		
40		
30		
20		

E 4200

10.3	95.1 ↓
10.8	94.6 ↓
11.5	93.9 ↓
12.0	93.4 ↓

E 4190

12.2	93.2 ↓
11.8	93.6 ↓
11.3	94.1 ↓
10.7	94.7 ↓
10.2	95.2 ↓
9.6	95.8 ↓
9.0	96.4 ↓
8.4	97.0 ↓
7.5	97.9 ↓
7.3	98.1 ↓
7.0	98.4 ↓
5.7	99.7 ↓
5.4	00.0
5.0	00.4

E 4180

6.4	99.0 ↓
6.5	98.9 ↓
6.6	98.8 ↓
6.8	98.6 ↓

605.44

E 4180

4310	
4300	
4290	
80	
70	
60	
50	
40	
30	
4220	

7.3	98.1 ↓
8.2	97.2 ↓
9.0	96.4 ↓
9.6	95.8 ↓
10.0	95.4 ↓
10.5	94.9 ↓
11.0	94.4 ↓
11.4	94.0 ↓
11.8	93.6 ↓
12.1	93.3 ↓

E 4170

4220	
30	
40	
50	
60	
70	
80	
90	
4300	
10	
20	
30	
40	
50	

11.7	93.7 ↓
11.4	94.0 ↓
11.1	94.3 ↓
10.8	94.6 ↓
10.5	94.9 ↓
10.1	95.3 ↓
9.7	5.7 ↓ 96.3
9.3	96.1 ↓
8.9	96.5 ↓
8.4	97.0 ↓
7.6	97.8 ↓
6.5	98.9 ↓
6.3	99.1 ↓
6.1	99.3 ↓

Plotting checked 9-13-34 CBK as shown by ↓

605.44 E 4160

N4350	6.1	99.3
40	6.7	98.7
30	7.7	97.7
20	8.2	97.2
10	8.4	97.0
4300	8.8	96.6
4290	9.1	96.3
80	9.4	96.0
70	9.8	95.6
60	10.1	95.3
50	10.5	94.9
40	10.7	94.7
30	11.0	94.4
4220	11.3	94.1

E 4150

4220	10.5	94.9
30	10.6	94.8
40	10.4	95.0
50	10.0	95.4
60	9.7	95.7
70	9.4	96.0
80	9.0	96.4
90	8.7	96.7

605.44 E 4150

N4300	8.4	97.0
10	8.1	97.3
20	7.7	97.7
30	7.4	98.0
40	7.1	98.3
50	6.7	98.7

E 4140

4350	6.6	98.8
40	6.8	98.6
30	7.1	98.3
20	7.4	98.0
10	7.7	97.7
4300	8.1	97.3
4290	8.5	96.9
80	8.7	96.7
70	8.7	96.7
60	9.0	96.4
55	8.7	96.7

E 4130

4300	6.8	98.6
10	6.8	98.6
20	6.5	98.9
30	6.2	99.2
40	6.1	99.3
50	6.2	99.2

Slotting checked 9-13-34 EBH
as shown by.

605.44

E 4120

4350	5.5	99.9 ✓
40	6.3	99.1 ✓
Check	4.23	601.21 ✓ 601.24
30	6.0	99.4 ✓
20	6.0	99.4 ✓
10	6.3	99.1 ✓
4305	6.9	98.5 ✓

E 4110

4310	5.1	00.3 ✓
20	6.9	98.5 ✓
30	6.0	99.4
40	8.1	97.3 ✓
50	7.0	98.4 ✓

Dec 12-1933

B.M. 1.04 602.28 ✓ 601.24

E 4100

N 4300	11.3	91.0 ✓
10	6.8	95.5 ✓
20	7.7	94.6 ✓
30	10.0	92.3 ✓
40	11.3	91.0
50	10.4	91.9 ✓
60	12.2	90.1 ✓ O.G.

602.28

E 4090

N 4350	17.7	84.6 ✓ O.G.
40	19.0	83.3 ✓
30	17.4	84.9 ✓
20	13.9	88.4 ✓
10	13.6	88.7 ✓
4300	16.3	86.0 ✓ O.G

Plotting checked 9-13-34. as shown by

E 4080 is as originally X sectioned from N 4300 on north

Extended X Sections for Spoil

May 16-1934

N4280

Slope Stake 13+75 (C 38.1)	9.25	588.92	579.67	
E 4080		11.6	577.3	original Ground
90		8.8	580.1	
4100		6.0	582.9	
10		6.0	582.9	
20		4.4	584.5	
30		3.8	585.1	

Reduced & plotted 10-9-1934 CBH

N4290

4130		0.0	588.9	
20		2.2	586.7	
10		2.0	586.9	
4100		5.0	583.9	
4090		7.9	581.0	original Ground

N4300

T.P.		1.17	587.75	
	12.59	600.34		
4130		1.6	598.7	
20		5.6	94.7	
10		6.6	93.7	
4100		9.3	91.0	
4090		14.8	85.5	
80		21.3	790	
70		24.9	75.4	Original Ground
Slope Stake 12+75 (C 51.9)		6.50	593.84	593.8

Extended X Sections for Spoil
May 16 - 1934

N4310

B.M.	7.18	592.17	584.99	
E 3980		10.3	581.9	✓
70		9.2	83.0	✓
60		8.6	83.6	✓
50		7.7	84.5	
40		7.2	85.0	
30		6.4	85.8	
20		6.0	86.2	
3910		5.0	87.2	

N4320

3910	4.8	87.4	
20	5.7	86.5	
30	5.7	86.5	
40	6.9	85.3	
50	7.6	84.6	
60	8.3	83.9	
70	8.6	83.6	✓
3980	10.2	82.0	✓

Reduced-Ck-Plotted 10-10-34 GBK

N4330

3980	592.2	9.9	582.3 ✓
70		8.9	583.3 ✓
60		7.9	584.3
50		7.3	584.9
40		6.8	585.4
30		5.9	586.3
20		5.4	586.8
10		4.2	588.0

N4340

3910	4.0	588.2	
20	4.8	587.4	✓
30	5.6	586.6	✓
40	6.4	585.8	✓
50	7.1	585.1	✓
60	7.6	584.6	✓
70	8.5	583.7	✓
80	9.8	582.4	✓

N4350

3980	10.2	582.0	✓
70	8.1	584.1	✓
60	7.3	584.9	✓
50	6.8	585.4	
40	6.6	585.6	
30	5.5	586.7	
20	4.3	587.9	
10	4.2	588.0	

Reduced - checked - Plotted 10-10-34 GBK

N4360

3910	592.2	3.3	588.9	
20		3.9	588.3	
30		4.9	587.3	
40		5.4	586.8	
50		5.8	586.4	
60		7.2	585.0	✓
70		7.9	584.3	✓
3980		9.8	582.4	✓

N4370

3980	7.7	582.5	✓
70	7.5	584.7	✓
60	6.8	585.4	✓
50	5.5	586.7	
40	5.1	587.1	
30	4.4	587.8	
20	3.6	588.6	
10	3.0	589.2	

N4380

3910	2.8	589.4	
20	3.1	589.1	
30	3.5	588.7	
40	3.8	588.4	
50	3.9	588.3	
60	6.4	585.8	
70	7.2	585.0	
80	7.7	584.5	

Plotted - 9-12-34
Reduced
Checked

		575.58		
T.P.			1.15	574.43
	11.50	585.93		
E4360 N3415			9.5	76.4
E4370 N3407			7.4	78.5
T.P.	11.40	596.31	1.02	584.91
E4380 N3401			16.3	80.0
E4390 N3394			14.1	82.2
E4400 N3386			9.7	86.6
E4400 N3398			22.3	74.0
E4410 N3380			6.9	89.4
E4420 N3370			4.0	92.3
T.P.	11.56	607.06	0.81	595.50
E4430 N3345			3.0	604.1
E4440 N3341			2.6	604.5
E4450 N3342			1.8	05.3
E4460 N3344			3.7	03.4
E4470 N3341			1.6	05.5
E4480 N3348			5.7	01.4
E4490 N3358			10.7	596.4

IMPROVED TABLES

AND

INFORMATION